FOWLER MAKES A STRONG SPEECH ON IRRIGATION

B. A. Fowler, president of the Na- and degredation to civilization, was, emphasized. No one will deny, but thought and concentrating public ef- place products of the field, which are tional Irrigation congress, which was but a few years ago, considered a wild for the irrigation congress, both the fort exists in this irrigation congress, not, to the same extent, revolutiondelivered to that body yesterday, is fancy. Nevertheless, we ourselves irrigation act and the reciamation ser-

try to hold its sessions?"

success is already won.

side, though it be, of the so-called irrigation congress.

There he my ancestors of the last well. And that we may see the con- of reclamation which has not been cessity now exists for removing, from the cessity now exists for removing, from the concentrated, not in the national character.

mining and manufactoring resources, with the early history of this con- has naturally brought this congress a pall of inefficiency on those who justment is opening through the in-

the northwest, with their terms to seek. It had no purpose. At Of the land area of the United able to themselves, the state and the lustration. With the settlement of

them to turn death to miles tion to beauty, desert to garden, bar-ciple.

CHICAGO, Dec. 5.—The speech of renness to fertility, poverty to wealth, this congress is demonstrated and A powerful agency in shaping more striking than the more commonhave seen all of this accomplished by vice had never been, and the history tion of citizens that may justly be the world, only because the profits Your Excellency, the Governor: Mr. the pioneer and United States recla- of the arid west would read very said to have originated the irrigation on fruits are so much greater. Yet our Excellency, the Governor, the desert sunshine; and there are manner, the human individuals and there are manner, the human individuals and how Delegates, Ladies and Gentle- yet. To quote the late Governor And yet even the people and localities clared the most beneficial act of his the and poultry, irrigators grow alfalfa, Johnson, there are still in the west in arid America, which are most ben-entire administration), out of which under irrigation in western the homeless fond for the borneless fond for the borneless fond for the legical by this law have taken by the property of the borneless fond for the borneless fond for the legical by this law have taken by the property of the borneless fond for the legical by this law have taken by the legical by the l At, and since, the eighteenth Irri- bornes for the homeless, food for the efited by this law, have today little grew the reclamation service, and to America has revolutionized forage At, and since, the eighteenth little gation congress at Pueblo, Colo., last hungry, work for the unemployed, comprehension of this fact. Not have done much during the past production, multiplied the acre yield of be found to the found to the found to the fact. gation congress at Pueblo, Colo., last before the landless, gold for the many of them realize that these mon- twenty years toward inspiring and ex- nutriment for stock, and tempted faryear, the question has been asked twenty years toward inspiring and exnutriment for stock, and tempted farnutriment farthe new relations arise new customs, the federal govern- fluential body has announced in its into experiments both with this of the country where irrigation sus-

conquer, and room for all." The irrigation congress comes to The early records of the irrigation tant part in contributing to the wealth, exceptional attention to drainage, both plants to meet the standard it sets. It is not to the contributing to the wealth, exceptional attention to drainage, both plants to meet the standard it sets. The irrigation congress comes to:

The irrigation c Chicago because here, in its broad present, of peculiar interest, The west, are all the tangible results of and for the reclamation of swamp gin with the raising of standards in the large of supply present, of peculiar interest, The west, are all the tangible results of and the acres are many, with which and center of distribution for the line standards in methods of the inevitable and necessary off- irrigation has enriched our country. and center of distribution for the and overflow lands in the humid as arid west; here is the greatest rail. September 15-17, 1891, more than years before the passage of the na- well as in the more arid portions of and west, here is the greatest tails twenty years ago. It was a serious tional irrigation act, this congress the county." greatest inland port in volume of body of men from the Pacific coast carried on for irrigation, forestry and Under this authorization, the board greatest inland port in volume of the greatest inland port in volume of the gal, mental, moral; and the perfect to the second greatest combusiness; the second greatest com-business; the second greatest com-by a great idea. Among them no ignorance as to the facts, sectional mercial center, and the rinancial cen-mercial center, and the rinancial cen-delogate was more active and influen-think it must be also the facts. Sectional to the intelligence and energy of the intelligence and day, who take time to observe and luscious orange of the inmercial center, and the financial center of the west; here art, science, mutaged or fine the west; here are the west are the w ter of the west; here art, science, indtial than Hon. Francis G. Newlands it was considered an iridescent dream growth and continued prosperity. The to realize that what the country are still in themselves, may fitly be regarded an iridescent dream growth and continued prosperity. The to realize that what the country are still in themselves, may fitly be regarded an iridescent dream growth and continued prosperity. sic, education, civies find their most accordingly by the great attendance of citizens interested in needs is not more acres in cultivation, of Nevada, who for many years has and treated accordingly by the great attendance of citizens interested in needs is not more acres in cultivation. the mechanic arts, and the infinite ably represented his state in congress majority everywhere. But the idea swamp and overflow lands has been tion, but more vield per nere culthe mechanic arts, and the infinite and whose name is inseparably and contained a living germ, a vital printransfertations of human energy are limited with the national irritransfertations of human energy are limited with the national irritransfertations of human energy are limited with the national irritransfertations of human energy are limited with the national irritransfertations of human energy are limited with the national irritransfertations of human energy are limited with the national irriscen on every hand; here agricul- justly linked with the national irri- ciple, which steadily grew and flour- in the interest of the development of productive farms; not more orchards, soon on every hand; here agricultant and gation act. Governor Thomas of Utah ished. In time far-seeing men began this great, but hitherto neglected, re-but more fruitful orchards; not bigger combined to construct a most amazing municipality, the wonder of the lands is not a new one construct a most amazing municipality, the wonder of the lands is not a new one construct a most amazing municipality, the wonder of the lands is not a new one. world; here have been financed scores lands to the states is not a new one, accrue, not alone to arid America, but eral legislation required to develop the arawn from poorly tilled and large of western irrigation projects which in 1837 a measure was introduced to the entire nation, east and west, at western irrigation projects which in congress to cede the public lands. Thus briefly have I sketched the lands are widely distributed, the America's production of food stuff have successfully brought under cars to the new states. In the rich valley connection between the irrigation contivation bundreds of thousands of the Mississippi, and in other sec- gress of larger and desert land; have of the Mississippi, and in other sec- gress of larger and desert land; have of the country of the question of larger and desert land; have of the country of the question of larger and desert land; have of the country of the question of larger and desert land; have of the country of the co neres of barren and desert land; have built up new communi- homes; have built up new communi- action of courters in ceding them to make clear the tre- make clear the tre- make clear the tre- render most desirable the same symbol and prices are rising. Yet, if we a pathy and support of the great west, to maintain our lead among the next is under to this organization. homes; have built up new community and support of the great west, to maintain our lead among the notices, new towns, new cities; have action of congress in ceding them to west is under to this organization, in which the irrigation congress has tions of the earth, we must prepare ties, new towns, new cities; have the states. These lands were granted inspired only by public spirit, and grown up, as the arid west received to feed twice, thrice yes ten time wealth of the nation; and last, but for purposes of reclamation and be- whose sole aim is the public good. wealth of the nation, and last, the foundation was such that Suggested Amendments to National gation act. adequate interest and profit to con- it would entail an annual expense to bring them under cultivation. This is | More than nine years have passed

Here the east meets the west, and the condition of the arid lands today, since the national irrigation act be-Here the east meets the west, and only the problem is so much more came a law and the reclamation sernot far away the mighty Mississipper difficult and the expense so much vice was organized. As anticipated liberations of this congress will lead, its on its tawny bosom life, produc- greater, that if a proposition were by its friends, the act has in practice the on its tawny possin hie, product or, at least, point the way, to the great demonstrated some weaknesses which adoption of a wise mode of procedure, property the great body of contion of the power and efficiency of government, the great body of conunited effort. From the northern gress, unfamiliar with irrigation, to be corrected. boundary of our domain, even from would recoil before it." The essence First-The time limit of ten years rich ireigntage of manufactured products from the public domain within such states an extension is generally understood the south and west. The two sections products from the public domain within such states an extension is generally understood the south and west. The two sections products from the public domain within such states an extension is generally understood the south and west. The two sections the Middle and Central states; far- and territories, excepting mineral and admitted by everybody. the Middle and Central states; farther along the turbid Missouri pours
in its wealth of moisture, the contribution of the Rocky Mountains and
timent of delegates in the years suction of the Rocky Mountains and
timent of delegates in the years suction of the Rocky Mountains and
timent of delegates in the years suctility and antagonism; on the other
while few farms or orchard lands is the great plains, while the Tennes- ceeding the first congress was about for a conservative loan at a low rate hand, every effort to enlarge the unvenly divided. For five years the see, the Arkansas, the Red and battle waged until the sixth congress Outside capital shies at such loans western representatives would be helpest river system, which unites by at Phoenix, the first that George H. because, in case of foreclosure, the ful to the south. Should it be found est river system, which unites by bonds far stronger and more endur- Maxwell of California attended, and act operates against the mortgagee feasible to create a committee on bonds far stronger and more endaring than steel or bronze, the coming than steel o mercial interests of the grandest fed- position to state cession of public from securing title. This ought to be sentatives of the west no less than of brains with the soil and setting stand mercial interests of the grandest fed- position to state cession of public from securing title. This ought to be sentatives of the west no less than of brains with the soil and setting stand eration of states this world has ever lands, as above, and in favor of the remedied in the interest of the mort- the south, and its report in 1912 and that are bound in time national irrigation policy. From that gagor and mortgagee. seen.

Here, indeed, is a lesson for us day he became the apostic of irriga
Third—Experience has shown that, if submitted, in a western city, in

Here, indeed, is a lesson for us and let us ponder it well. It is this: tion by the federal government, and when any project is nearing complesuch terms as to insure western sup-Whenever the people of the north and for six years carried on the propation, acreage property has so apprethe south, the east and the west ganda in every section, from the At- clated in value that the opportunity unite on any policy, question or prounite on any poncy, question or pro-ject, their power is irresistible and of the national irrigation act closed large capitalist has gone forever eighty million (80,000,000) acres of larger vision, broader intelligence, and a nation-wide campaign, won a mag- When that time comes, there should So there is every reason why this nificent victory, and buried forever be no unnecessary limitation on the Union, is a proposition so big. involv-So there is every reason why this the state cession policy of the first buying, selling or transferring of ing so many millions of dollars and tered by that concentration of social transferring of ing so many millions of dollars and tered by that concentration of social transferring of ing so many millions of dollars and tered by that concentration of social transferring of ing so many millions of dollars and tered by that concentration of social transferring of ing so many millions of dollars and tered by that concentration of social transferring of ing so many millions of dollars and tered by that concentration of social transferring of ing so many millions of dollars and tered by that concentration of social transferring of ing so many millions of dollars and tered by that concentration of social transferring of ing so many millions of dollars and tered by that concentration of social transferring t

cago. We need you and you need the capital, character, community. Then resolutions has this congress called A school house may be needed in us. We need the capital character, vember 21-24, 1900, from Wednesday the owner should no longer be re- the attention of the federal govern- section instead of a township and intelligence, brawn and brain of the country to Saturday after the attention of the federal governfarmer, capitalist, business man of evening to Saturday afternoon-nine quired to live on the land. farmer, capitalist, nusiness man on the east, north and south, of the valthe east, north and south, of the varleys of the Mississippi, Missouri, and then of Wyoming, now of Australia, to these acknowledged weaknesses in know any western man who is not schooling, public meetings and social leys of the Mississippi, Missouri, and whom he is filled a least the filled and the fil leys of the Mississippi, Missouri, and where he is filling a large place in the irrigation act with the hope that willing and anxious to contribute in gatherings are all made easy and the Ohio to help in developing the large place in the irrigation act with the hope that the Ohio to help in developing the buried resources, raw material and the irrigation development of a new they may be given the consideration every way to arouse the entire nation, thereby very naturally become larger buried resources, raw material and the irrigation development of a new they may be given the consideration every way to arouse the entire nation, thereby very naturally become larger buried resources, raw material and world, was president, and George H. which their importance deserves and but especially the federal congress, to factors in daily life; while the run agricultural and commercial possibility agricultural and commercial possibility and comm man Dame Nature beckons and offers from Theodore Roosevelt, then gov- adopted. a home, financial independence, soil ernor of New York, was received and a home, linancial independence, son read amid great enthusiasm. City While forestry, irrigation and re- the increase of taxable wealth would because there are many homes to thousands or nome makers; what the increase of taxable wealth would because there are many homes to Prosecuting Attorney Taylor of this clamation have furnished the legend, mean to the nation at large by mak- each mile of line. If humanity is

New England, with its rock country an address of welcome, which was Reclaim the Deserts, Make Homes on or no value, worth from fifty to one this land of free institutions is to coast and granite hills, is beautiful. years ago, may I quote briefly from or the more important private, irriga- eminent authority. Dr. Evans, ex- demands readjustment of social cus-The Middle states, with their vast his address, as follows:

the northwest, with their fertile fields were accomplished. The reason is not in its resolutions of past years.

cattle and aliana, its citrus it in the cattle and aliana, its citrus it is existence, and that was to enlist the give us all a farm." Indeed, the fed-all pull together. mountains; but, above all, in its spirit federal government in the solution eral government has already undermountains; but, above an, in its spirit of the great problem of the reclama- taken to eke out the supply of land lift. In short, there is joy and daily other reason on earth is this congress 1900. lift. In short, there is joy and daily such a success than that we have In addition to the land area availlifted up the standard which draws to able for reclamation through irriga-

tains, where is now neveroping the that day the national irrigation idea save locally in a small way, most of lands equally rise above the standard attained to high standards, and that the newer states have already highest type of manhood, womanhood, wo grew and spread and multiplied the wet lands have been ceded to set in humid countries. But the the road problem of the country is through the heroism of the "Old states and have passed into private brightest jewel in the crown of the destined to be inspired by the stand-The harnessing of the floods of our great western rivers and compelling freely, contributed of their time, so situated that they may be drained orange of California and Arizona—the Nor does all this measure the gift them to turn death to life, desola- money and ability for a national prin- by private enterprise or by the states. Some have gone to their re- By far the greater portion of the luscious beyond compare, because of When the dry lands were first ex- Griffin, Chicago and Boston

tions. This is too often the reward the states. the public good, and if any such, hav- clear that one of the great public juicy pulp with a minimum of waste. which no living being, animal or the arid region, vivified by irrigao be sorely disappointed.

United States reclamation service goes in co-operation with private owners, the reason for the existence of at an early date.

United States reclamation service goes in co-operation with private owners, the ultimate value, and that not land but water is human sentiments and emotions are the ultimate value, and that not gold balanced with natural resources and but human sympathy, and mutual conditions. The organisms of the

Irrigation Act.

boundary of our domain, even from the success of the movement for reclamation of wet lands by drainage in which to return to the government in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of Waters congress was "the granting in trust in annual payments the cost of concern the father of the fathe of Minnesota, the Father of Waters of the states and territories needful struction of a project is now recogrich freightage of mining, agricultu- of irrigation all lands now part of nized as too short and the necessity of but especially between the states of

Swamp Land Drainage.

TOTAL PLANT TROUBLE OF STREET

ward, others still live. In a few area (for example in the lower Mis- continuous sunshine, which develops plored, many there were who learned questions confront the American peoyears all will be dead and forgotten, sissippi region) is so located that the saccharine, and by reason of by bitter experience that their es- ple. These will begin to approach but their achievements will go down the drainage problem involves federal growth and gradual ripening with the tablished standards of relative values settlement soon after being raised and

requisite action be taken by state leg- of producers to imitate the standards lost on the survivors, who thus nection and relation, and in which As the constructive work of the islatures and the federal congress, originally set in irrigated lands.

former effectively. For, while the wet acreage. Experts tell us the from the south in support of the irri-

Thus far no attempt has been made the soil that it will burst into mult to formulate a policy looking to the policy feuitfulness, as burst the root reclamation of our wet lands by drainage; but it is hoped that the deor, at least, point the way, to the could not be foreseen, but ought now both by the states and by the federal government.

The success of the movement for must pull together. Any effort to dif interest. But what is the fact? derstanding and enlist the support of long-settled states have reached the would undoubtedly be of greater force spread afar and bless the entire

The swamp land drainage crusade, standards. The improvement embracing, as it does, more than method both demands and inspir wet land in thirty-five states of the a more intensified individuality. An lands. This will expedite the cutting such vast interests, individual, state life which follows a reduction in are side, though it be, or the so-camed At this time we may with profit up of larger holdings, multiply the and national, that it must inspire the and multiplication in the yield of America and in a humid region. I have been also been the larger holdings, multiply the land national, that it must inspire the We of the west are proud of Chi-We of the west are proud of this congress was held at outside capital and work to the inter-development. Again and again by farms are small and neighbors near ment to the crying need for such na- church every few sections instead age of these wet lands would mean cause the patrons are many, and th to thousands of home makers; what telephone may go into every hous New England, with its rock bound city, for Mayor Harrison, delivered "Save the Forests, Store the Floods, ing land, now dormant and of little blossom all over this country, and tion projects but have also to face health officer of this city, says "serve toms, social ideals, social standards The Middle states, with their vast gress. For the first four or five ses- into close sympathy with the swamp live on nearby lands," this annually fluence of irrigation and the ex-Virginia and the south, Ohio and sions practically no tangible results land drainage question as embodied costing thousands of valuable lives ample of irrigated lands. But there is a greater tascination found expression from year to year mountainous for settlement. Nearly tion which will readily appeal to pa-

The Real Gift of Irrigation.

most perfect fruit of all the earth, of irrigation in the highest standards.

as a rich heritage to coming genera- action, perhaps in co-operation with right quantity of water supplied when were worthless, and the absolute, fun- will be settled right and no other needed, so that the vital energy of damental value, the measure of life section of the country can contribof pioneers, patriots, and workers for To every thoughtful citizen it is the plant goes into the enrichment of itself lay in the water, without ute more to right settlement than ing done public or semi-public work, needs of the day is the extension of Not all lands or climates are adapted thing can survive. Many suffered the tion, in which human life and the ook for or expect full compensation reclamation over wet lands of the to citrus fruits, but wherever they his side of heaven, they are likely country; and it is important that the grow these are made better by efforts

teenth irrigation congress cross that into experiments both with this into experiments both with this tains life, and that these standards new conceptions, new standards of Mississippi river into a humid countries and that these standards new conceptions, new standards of as they are, to play such an impor- "provision has been made for giving the improvement of other forage are gradually spreading throughout righteousness among men, and these

> low and are even more stimulating and thereby on the human mind. Yet better standards, industrial, social, leour present ninety-three millions, as this can only be done by so strikit plied fruitfulness, as burst the rointo water under the stroke of Mose

Toward this end the irrigated lan supply rather than his land meaures his wealth, and turns his el two, because it drinks only one-ha but second, and in even greater de

Even this hardly passes the threst old of irrigation's gifts in highe coast and granite hills, is beautiful. 159 5260 2913 295

There lie my ancestors of the last well. And that we may see the con- of reclamation which has not been become expecutated not in

and making more thousands unprofit. Take the rural road as an ilthe 1896. Phoenix. Arizona, session, States (about 1,920,000,000 acres). nation. In other words, this is a su- this country, roads soon grow up as But there is a greater fascination out of the differing ideas which had more than half is either too dry or too perb question of national conservatween the settlers' families, whose and a greater charm in the unumined the settlers lamines, whose opportunities of the great west, with in its resolutions, the congress gradopportunities of the great west, with opportunities of the great west, with ually began to evolve a distinct and into private hands, so that "Uncle north, east, and west, as well as south, ommunication; and the common ways its nameral and timber wealth, and the common ways cattle and alfalfa, its citrus fruits, its positive object as a reason for its Sam" is no longer "rich enough to "In union there is strength," Let us virtually became the first public propthe road tax has ranked foremost While the benefits derived from irri- among our taxes, whether met by of independence, in its fervior patrict. The for homes by irrigating the fertile gation are often stated in measur- tolls or assessment. Now the amount ism, in the quality of its citizenship. ism, in the quanty of its children and a con- the Phoenix congress, that object be- valleys of the arid west. Some able terms by acres of land brought of the tax, and the weight of the There is, too, a fascination and a compared and 75,000,000 acres have been, or may be, under ditches, by bushels or tons of burdens on any community, is meastant delight in the consciousness of came more and more crystallized and 75,000,000 acres have been, or may be, under ditches, by bushels or tons of burdens on any community, is meastant delight in the consciousness of came more and more crystallized and stant delight in the consciousless of the positively expressed in each succeed- reclaimed by irrigation. These lands product, and by increased population used by the length of the road per being a potent factor in local developbeing a potent factor in social devices and ing congress until, three years later, are so richly productive that they will of arid states—all this, great though family; and the goodness or badness ment and creation, of the meast of the Missoula, Montana, congress, it sustain a population of 75,000,000— it be, fails to express the full meast of the road is fixed by the amount ozonic atmosphere of chief and become a declaration. For no equal to that of the United States in ure of the benefits; for the chief gift of tax the community can bear. Unof irrigation lies in the raising of der irrigation the homesteads are small and hence are many for each Through irrigation, new standards mile of road, instead of one or two. No longer do the people of the east its support every strong, right think- tion, there are in the United States for fruit have been set. Apples grown as is the case in some rural sections. No longer do the people of the east in some furth sections. Some \$0,000,000 acres of swamp and on irrigated land have a richness of the expense of the west. "Alkali Ike," It himself. Men will not correction to the expense of the west. "Alkali Ike," It himself. Men will not correction to the expense of the west. "Alkali Ike," It himself. Men will not correction to the expense of the west. "Alkali Ike," It himself. Men will not correction to the expense of the west. "Alkali Ike," It himself. Men will not correction to the east in some rural sections. the expense of the west. Askan ise, it himself. Men will not come from settlement, but susceptible of reclama- and fullness of size that have been a make better roads, to raise the standthe concept of a diseased brain, and all over the United States merely to tion by drainage. These lands are revelation to the world. Today the ards of road making, and thus to sethe "Arizona Kicker," with its imsrepresentations and coarse wit, all at out definite purpose or understand- though the more important areas lie the tables of aristocracy, and even ties from farm to town and back; the expense of the west and the leaster movement of persons from southwest, have had their day and, ing. But when you have outlined a along the Atlantic slopes, with consouthwest, have had their day and, principle and a purpose and gotten siderable areas in the Pacific states | Foyalty, throughout European demand is so great that apthe confidence of the people that you They are generally of great fertility, ple-producing New England, New ness and vehicles; higher grade draft ever.

Slowly, but surely, "westward the are loyal to this purpose, you can se- and if reclaimed by drainage would York and Michigan can seldom get animals and roadsters; superfor Slowly, but surely, "westward the strength and influence star of empire takes its course." our early the strength and influence star of empire takes its course." you want. The fact that so many millions (90,600,000)—equal to the slowly, but with equal certainty, the have come from the far west and from present population of the entire course. Slowly, but with equal certainty, the have come from the far west and from present population of the entire countries, too, grown on irrigated lands taste and refinement in the growing center of population moves westward. have come from the far west and from present population of the entire countries, too, grown on irrigated lands taste and refinement in the growing center of population moves westward. center of population moves westward. From New England across the conti-From New England across the conti-nent the pioneer has blazed the trail, this there is a second sentiment of the pioneer has blazed the trail, this there is a second sentiment of the pioneer has blazed the trail, this there is a second sentiment of the pioneer has blazed the trail, this there is a second sentiment of the pioneer has blazed the trail, the pioneer has blazed the trail the pioneer has blazed the pioneer has bla nent the pioneer has blazed the trail, carried the church and "little red schoolhouse," planted them on hill-top and in valley, and crossed the top and in valley, and crossed the top and in valley, and crossed the trail, this than to any other one thing: tent authorities as a rich resource and should be utilized as need for homes on the land increases with our to strive for corresponding improvestudy the growth of road-making in growth. top and in valley, and crossed the western prairies and the Rocky mountains, where is now developing the that the national irrigation."

To strive for corresponding improve the growth of read-making in ment in their own standards. The the arid region without realizing that the newer states have already the new states have already that the new states have already the new states have already that the new states have already that the new states have already the new stat

cultivation and care of fruit and spring of the desert, through condi- the other gifts of irrigation are still vegetable, melon and forage, soon fol- tions operating on human conduct greater; for it has given us new and

most horrible form of death, that things most necessary for its mainthe real riches, the very ends of humid lands, in that they have been those who today declare that the families of the one-time desert have

traceable, after all, to the real gift Today, as never before, burning of irrigation to humanity.

the marvelous skill of man, have delivered an eloquent and prophetic to advocate it. Statesmen and orasource. It seems peculiarly fitting for homesteads, but happier homes, in combined to construct a most anazbe said: The question of ceding the construct a most anazbe s

her	FILLUING AND LIETNING DEPORT OF	MAI	IUNAL	LLA	IUUL
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hat					
	Wingo, St. Louis	65	22	8	.916
)U-		51	12	6	.913
ng		P.O.	A.	E.	Pet.
nik-	Yes and the second	8	25	0	1,000
ire	Transcription and the second	1	42	0	1.000
ies	Mathewson, New York 45	31	107	2	.986
nd	Brown, Chicago	S	53	1	.984
ng	Hendrix, Pittsburgh 22	12	45	1	.983
ti-	Steele, Wm., St. Louis	14	88	2	.981
ick es'			42 66	.2	.978
es	Harmon, St. Louis	11	98	2	.974
ids	Mattern, Boston	6	61	19	.971
he	Humphries, Cincinnati and Philadelphia 25	4	29	1	.971
ter	Suggs, Cincinnati	137	83	3	.970
18-	Rucker, Brooklyn	7	88	21	.969
n+	Sallee, St. Louis 36	7	55	2	.969
ire	Raymond, New York	6	23	1	.967
rst	Alexander Didladalahia	13	70	- 2	.965
an		11	95 23	1	.964
alf	Stool D Dittohough on 2 Tourist	11	61	3	.960
he w-	Crandall, New York	9	59		.958
ne,	December Classianoli	S	56	. 2	.955
ed	Knetzer, Brooklyn	7	51	3	.951
re.	Burns, Cincinnati and Philadelphia 27	6	46	12	.945
in	Reulbach, Chicago	5	77	5	.943
unt		19	44	4	.940
to	Doll Decololis	3	11	1	.933
ts,	Smith, F. Cincinnati	16	66	6	.933
e-	Loffield Dittabuech	12	82	7	.931
ng	Culffly Chinese and Dante.	3	24	2	.931
to:	Moore, Philadelphia 42	3	63	5	.930
ire	Marquard, New York 45	6	46	4	.929
	Brown, C. Boston	8	67	6	.926
h-	Camnitz, Pittsburgh	. 4	59	5	.926
ier	Ragon, Brooklyn	4	21	2 5	.926
in	Toney Chicago	11	50 23	2	.924
es:	Cole, Chicago	2	52	5	.917
nd nd	Landano De Ct. Louis	0:			.917
na is-	Ames, New York	7	69	7	.916
int	Gaspar, Cincinnati	7	66	7	.913
ea	Geyer, St. Louis	5	35	4	.909
of	McQuillan, Cincinnati 19	3	16	2	.905
on.	Schardt, Brooklyn	7	57	-7	.901
ar.	Goiden, St. Louis	7	39 37	5	.898
150	Perdue Boston 94	ó	36	5	.894
	Tyler, Boston 28	8	58	8	892
	Scanlan, Brooklyn	1	31	4	.889
ial	Weaver, Chicago and Boston	3	34	5	881
nd	Ferry, Pittsburgh	2	17	3	.864
er	Keefe, Cincinnati	13	36	8	.860
al	Club Fielding.	Th. (2)		77	79
e-	Pittsburgh 155	P.O.	A.	E.	Pct.
he	Pittsburgh	4102	1837	232 231	.963
se	Brooklyn154	4100	1970	241	.962
to	St. Louis	4188	2040	261	.960
to	Chicago157	4217	2054	260	.960
if to	New York154	4095	1926	256	.959
a-	Cincinnati159	5260	2013	295	.955

two or three hundred years—sturnly gress from the viewpoint of eleven neglected. Few of the government, many sections, conditions which the cities but on producing areas. This near and women who helped to mold veers are many L quote briefly from or the more important private irriga.

	Record of those who pitched in fifteen or more games, as	range	d acc	ording
	to percentage of victories:			
	No. Games			
	Pitched in.	W.	L	Pet
	Marquard, New York	24	7	.771
	Crandall, New York	15	5	.750
	Cole, Chicago	18	7	.726
	Alexander, Philadelphia48	28	13	.683
1:	Mathewson, New York	26	13	.667
0	Brown, M., Chicago53	21	11	.636
•	Adams, Pittsburgh	22	12	.647
e.	Reulbach, Chicago	16	9	.646
-	Humphries, Philadelphia and Cincinnati	7	4	.626
e.	Sallee, St. Louis	15	9	625
	McIntire, Chicago	11	7	.611
	Geyer, St. Louis	9	6	.604
Ŧ.	Ferry, Pittsburgh	6	4	.600
V.	Raymond, New York	6	4	600
t		22	16	.390
e:	Pfeffer, Boston	7	5	.581
	Richie, Chicago	15	11	.577
•	Wiltsie, New York	12	9	.571
9	Camnitz, Pittsburgh40	20	15	571
t	Ragón, Brooklyn22	4	3	.571
	Chalmers, Philadelphia	13	10	.565
œ.	Rucker, Brooklyn48	22	18	.550
	Suggs, Cincinnati	15	13	206
	Ames, New York	11	10	.524
	Leifield, Pittsburgh42	16	16	500
	Steele, E., Pittsburgh and Brooklyn	9	9	.506
×	Toney, Chicago18	1	1	586
	Drucke, New York	4	4	.500
ч	Steele, William, St. Louis		19	.486
	Keefe, Cincinnati39	19	13	.480
	Knetzer, Brooklyn35		12	478
	Fromme, Cincinnati	10	11	476
	Bell, Brooklyn	5	6	.455
	Moore, Philadelphia42	15	19	.441
	Loudermilk, Louis, St. Louis	-3	4	429
	Barger, Brooklyn		15	.423
	Tyler, Boston	7	10	.413
	Burns, Cincinnati and Philadelphia27	7	10	412
. 1	Smith, F., Cincinnati		15	400
	Hendrix, Pittsburg22	4	6	.400
	Perdue, Boston24	6	10	.275
1	Gaspar, Cincinnatie	10	17	270
1	Brown, C., Boston	8	18	
				308
1	Golden, St. Louis	2	9	398
1		4	5	286
	Curtis, Chicago, Boston and Philadelphia24	5	11	.267
1	Weaver, Chicago, and Boston		14	.263
1		5	15	250
1		1	3	.250
1		3	10	231
	Mattern, Boston	4	15	211